

# 2010 Military Health System Conference

## DoD/VA Health Data Sharing – Successes to Date

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January 25, 2010



# Session Objective



- Upon completion of the session, participants will:
  - Have a basic knowledge of the current DoD/VA health data sharing initiatives
  - Gain an understanding of how providers currently access health data through the Departments' electronic health records
  - Discover factors influencing the need to broaden data sharing initiatives to include private sector and other agency providers

# Military Health System (MHS)



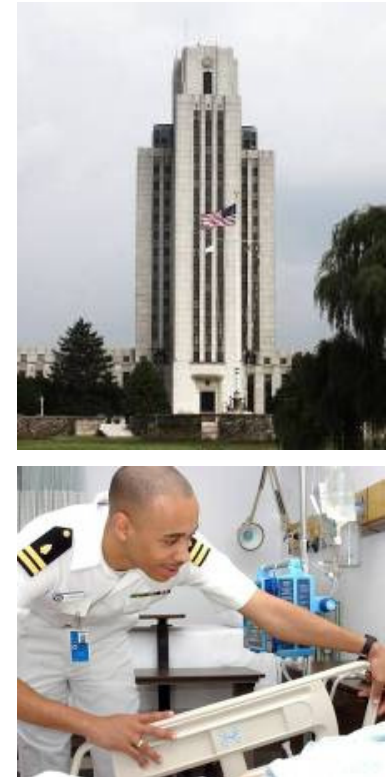
- Over 9.5 million beneficiaries
- Direct care
  - Over 885 fixed medical and dental facilities
    - 65 hospitals
    - 412 clinics
    - 414 dental clinics
- Purchased care
  - TRICARE: Over 300,000 network providers
  - Civilian providers: Nearly 300,000 accept TRICARE



# MHS Electronic Health Record (EHR) Footprint (Sustaining Base)



- AHLTA – Worldwide
  - Covers every time zone
  - 9.2 million beneficiary records
  - 119 million encounters
  - 140,000 additional encounters/day
  - 77,000 active users
  - The White House medical unit
- MHS inpatient solution
  - 29 sites (62% of DoD inpatient beds)
  - Continued deployment in FY 2010





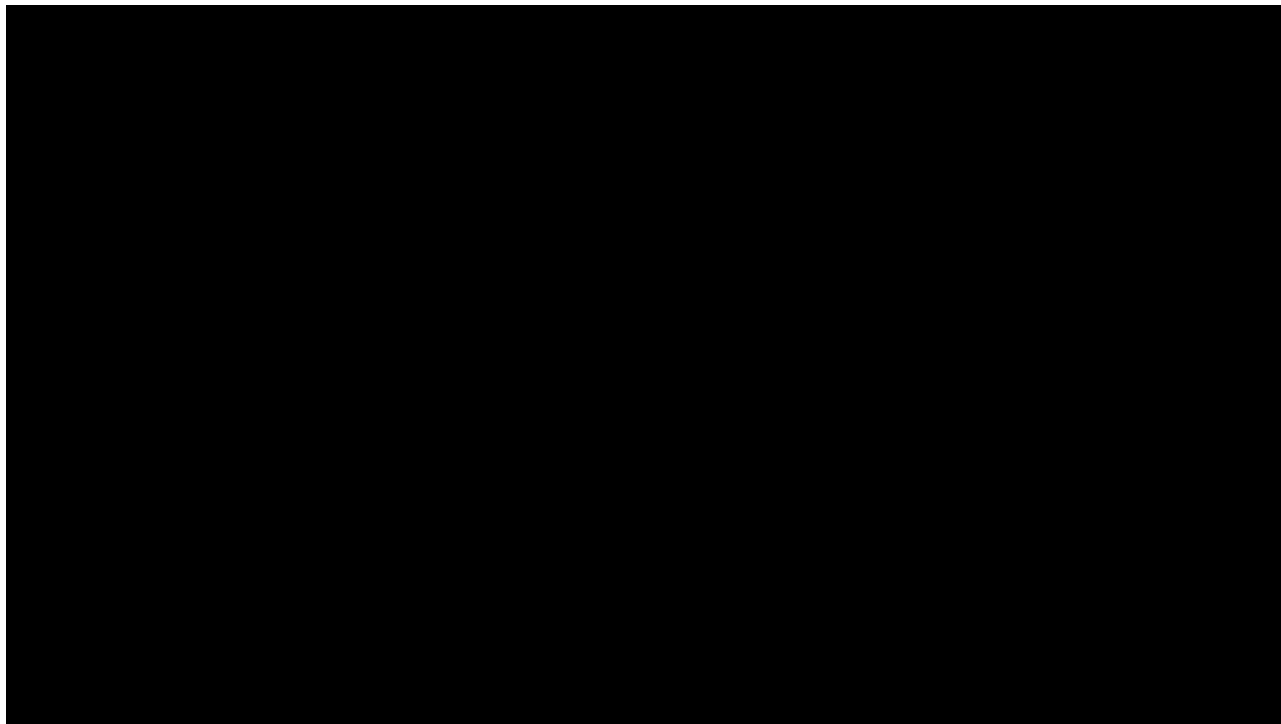
# MHS EHR Footprint (Theater)



- Operation Iraqi Freedom/  
Operation Enduring Freedom
  - 2.6 million encounters captured electronically
  - 7.55 million orders for ancillary services (laboratory, radiology, pharmacy)
  - Iraq, Qatar, Kuwait, Afghanistan
- On board 7 ships



# Charles Campbell, CIO



# Veterans Health Administration (VHA)



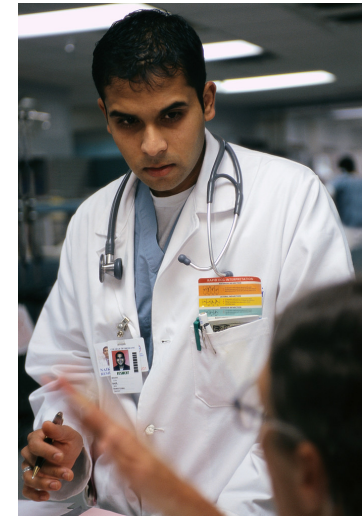
- Over 7.7 million enrollees
  - Increase of over 105 percent since 1995 (2.5 million enrollees)
- Over 5.5 million patients
  - Older, sicker, and poorer patient populations
- Over 1,400 direct care sites
  - 153 medical centers/hospitals
  - 881 clinics (hospital, community-based, and independent)
  - 209 counseling centers
  - 135 nursing homes



# VHA (continued)



- Over 86,000 healthcare providers
  - 15,000 physicians
  - 38,000 nurses
  - 33,000 allied health professionals
  - 10,000 *fewer* employees than 1995

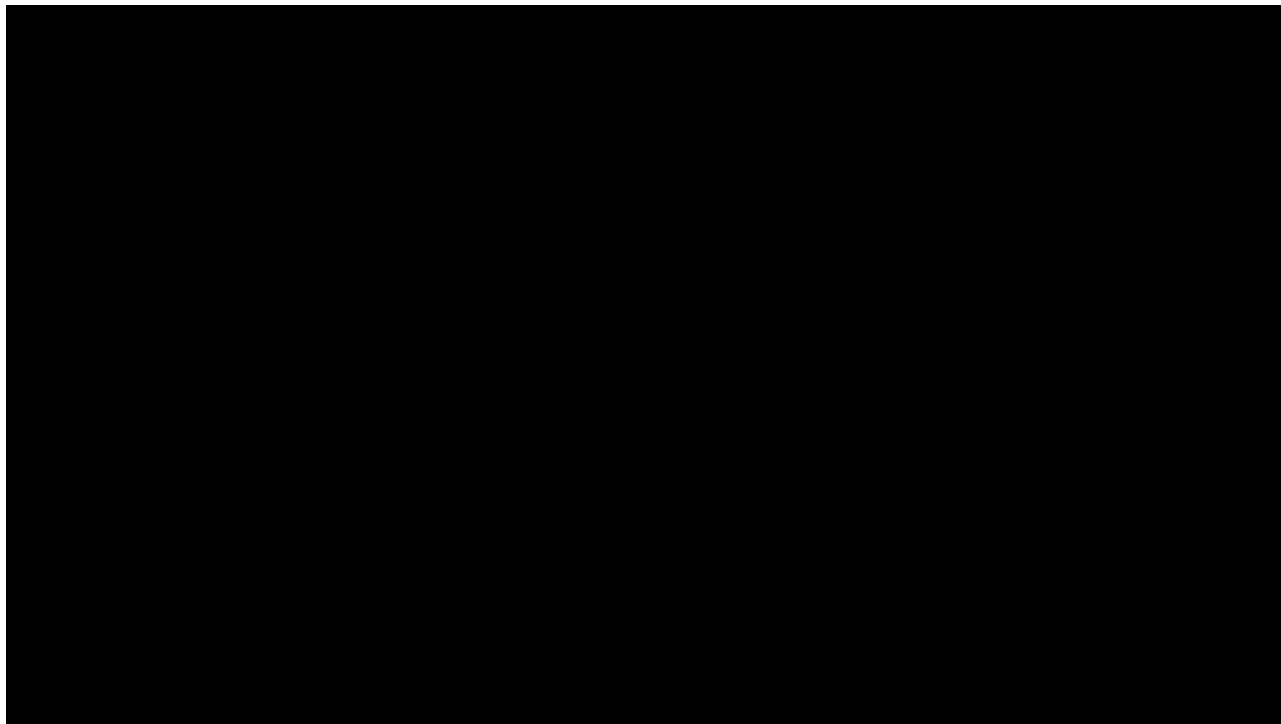




- Affiliations with 107 academic health systems
  - 25,000 affiliated physicians, 35,000 residents and fellows
  - 90,000 trainees in all disciplines
  - Nearly half of all US health professionals (over 65% of physicians) have had some training in a VA facility
- \$1.7 billion in research (rehabilitation, health services, clinical, and basic)



# Charles Hume





# Motivations for Sharing Data



- First priority - Quality care for Service members and Veterans
- Service members post-separation
  - Continuity of care
  - Determination of benefits
- Close proximity or co-located facilities
  - Joint venture sites/local sharing agreements
- Reserve/Guard medical care
  - Care in VA post-demobilization
  - Care in MHS when remobilized



# Motivations for Sharing Data (continued)



- Supports MHS key strategies
  - Deliver information to enable better decisions
  - Functional electronic health record – access to data across systems
  - Support care for complex medical/surgical problems



# Motivations for Sharing Data (continued)



- Supports VA key strategies
  - Ensure a smooth transition for Veterans from active military service to civilian life
  - Contribute to the public health, emergency management, socioeconomic well-being, and history of the Nation
  - Deliver world-class service to Veterans and their families



# Separated Service Members



*270 million messages (DoD to VA) on 5 million retired or discharged Service members*

- Lab results
- Radiology reports
- Outpatient Rx data
- Allergy information
- Discharge summaries
- Consult reports
- Admission/discharge/transfer information
- Standard ambulatory data record elements
- Demographic data
- Pre-/post-deployment health assessments
- Post-deployment health reassessments\*

*\*Transmitted weekly for individuals referred to VA for care or evaluation*



# Shared Patients



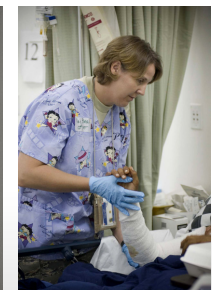
Supports care for more than 3.5 million patients to date

DoD providers access VA data through AHLTA

VA providers access DoD data through VistA or VistA Web

Specialists in VBA access DoD data through CAPRI

- Allergies
- Outpatient pharmacy
- Demographics
- Inpatient and outpatient lab results
- Radiology reports
- Ambulatory encounter notes
- Procedures
- Problem lists
- Inpatient notes (from DoD Essentris sites)
- Theater clinical data
- Vital signs
- Family history, social history, other history
- Questionnaires





BEST,ONE: AHLTA (Privacy Act of 1974/FOUO)

File Edit View Go Tools Actions Help

Close

ALLEN, LAB 20/222-11-1333 20yo M CPO DOB:08 Aug 1988

Folder List

- Desktop
- Notifications (19)
- Appointments
- Telephone Consults (1)
- Search
- New Results (34)!
- Tasking
- Co-signs (4)
- Sign Orders
- Consult Log
- Patient List
- CHCS-I
- EWSR
- VisualDX
- Patient Registries
- Reports
- Tools
  - Web Browser
  - Order Management
- ALLEN, LAB
  - Demographics
  - Documents
  - Health History
    - Problems
    - Meds
    - Allergy
    - Wellness
    - Immunizations
    - Vital Signs Review
    - PKC Couplers
    - Readiness
    - DD2766
    - Patient Questionnaires
    - DoD/VA/Theater History**
    - Profiles/Restricted
  - Lab
  - Radiology
  - Clinical Notes
  - Previous Encounters
  - Flowsheets
  - Current Encounter
  - Screening & Vitals
  - Triage

Appointments DoD/VA/Theater History

BHIE Data Viewer Module

Patient Data

Allergy  
Clinical Notes  
Encounters  
Histories  
Laboratory  
Problems  
Outpatient Medications  
Questionnaires  
Radiology Reports  
Vitals

Patient Summary

Data

In AHLTA, the user selects  
“DoD/VA/Theater History”  
to launch the viewer

Display includes data currently available from Veterans Health,  
Theater, CHCS Share

BEST,ONE in Blue MTF at 4th Medical Group



**Vista CPRS in use by:** [Redacted]

File Edit View Tools Help

**ZZTEST,VADOD ONE** Visit Not Selected Primary Care Team Unassigned

000-00-7312 Sep 20,1939 (70) Current Provider Not Selected

VistaWeb Remote Data No Postings

Available Reports

- HDR Reports
  - Dept. of Defense Reports
    - Allergies
    - Expanded ADT
    - Consults (DOD Remote data only)
    - Discharge Summary
  - Histories (DOD Remote data only)
    - Family History
    - Social History**
    - Other Past Medical History
  - Laboratory
    - Outpatient Encounter
    - Pharmacy All Outpatient
    - Progress Notes
    - All Problem List
    - Questionnaires (DOD Remote data only)
    - Radiology Report

Date Range

- Today
- One Week Back
- Two Weeks Back
- One Month Back
- Six Months Back
- One Year Back**
- Two Years Back
- All Results
- T-732 to T

Histories (DOD Remote data only) Social History [From: Oct 23,2008 to Oct 23,2009] Max/site:101 <<ONLY REMOTE DOD DATA INCLUDED IN RE

Facility	Date Reported	Finding	Comme...	Status	Date/Time of O...	Source
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:32	marital history - wi...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:32	sexually active...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:32	social history revi...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:32	activities of daily li...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:31	daily coffee consu...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:31	smoking...	...	Active	Unknown	
D. D. Eisenhower AMC Ft Go...	09/30/2008 18:31	alcohol...	...	Active	Unknown	
Madigan AMC-Fort Lewis	09/29/2009 22:31	No current diet ins...	...	Active	Unknown	
Madigan AMC-Fort Lewis	09/29/2009 22:28	current diet less th...	...	Active	Unknown	
Madigan AMC-Fort Lewis	09/29/2009 22:28	birth control metho...	...	Active	Unknown	

MEDCIN Finding ID  
 122412  
 Reported By  
 [Redacted]  
 Unverified (Reported By Patient)  
 No  
 Facility: D. D. Eisenhower AMC Ft Gordon GA  
 =====

Cover Sheet Problems Meds Orders Notes Consults Surgery D/C Summ Labs Reports

In Vista CPRS, the user selects the Remote Data button to launch the Remote Data Viewer, or the VistaWeb button to launch VistaWeb

CAPRI Connected To VISTA.MANCHESTER.MED.VA.GOV (Server:R4PD32 Volume:ROU UCI:MAN Port:NLA0::600377136)

File Edit Tools Help

ZZTEST,VADOD ONE SSN#000007312 DOB: 09/20/1939 ICN: 1014270843

C&P Exams 7131 Request Reports Admin Health Summaries Clinical Documents VistAWeb DoD Records

Back Forward Home Print

# VistAWeb Patient Record Screen

This page uses pop-up windows. [Click here for help on enabling pop-ups.](#)

**Lab Orders** ZZTEST,VADOD ONE (00

**Logoff**

- Histories and Questionnaires (DoD Remote Data Only) †
- Laboratory
  - Autopsy
  - Blood Availability
  - Blood Transfusion
  - Blood Bank Report
  - Surgical Pathology †
  - Cytology †
  - Electron Microscopy
  - Lab Orders †
  - Chem & Hematology †
  - Microbiology †
  - Lab Summaries
- Anatomic Path Reports
- Medicine
- Orders
- Outpatient Encounters/GAF
- Pharmacy \*
- Problem List †
- Progress Notes †
- Other Notes
- Radiology
- Surgery Reports
- Vital Signs † \*
- Health Summaries (MIA)
- Health Summaries (BIL)
- Health Summaries (HUV)
- Health Summaries (BRX)
- Health Summaries (SDC)
- Health Summaries (BED)
- Health Summaries (IND)
- Health Summaries (NOP)

**Date Range:**

☐ Today
 ☐ One Week
 ☐ Two Weeks
 ☐ One Month
 ☐ Two Months
 ☐ Six Months
 ☒ One Year
 ☐ Two Years
 ☐ All Dates

From: (mm/dd/yyyy) To: (mm/dd/yyyy) Query

[Print Report](#)

Collection Date	Test Name	Specimen	Urgency	Provider	Ordered Date	Accession #	Available Date	Status	Site
12/30/2009 10:46	XX DIFF	BLOOD	ROUTINE	SERBAS,JEOSALINA N	12/30/2009 10:45	091230 HE 8550	12/30/2009 10:52	COMPLETE	NH CAI PENDLI
11/24/2009 08:50	DIFF COUNT (BLOOD)	BLOOD	ROUTINE	WADE,C	11/24/2009 08:50	HE 1124 203	11/24/2009 08:53	COMPLETED	INDIAN VAMC
11/24/2009 00:00	PTT-NON THERAPY	PLASMA	ROUTINE	FABIAN,J	11/24/2009 12:08	NONE	UNKNOWN	ORDERED	BILOXI
10/20/2009 00:00	IRON PANEL	SERUM	ROUTINE	GONZALEZ,E	10/20/2009 11:04	NONE	UNKNOWN	ORDERED	BILOXI
10/16/2009 13:46	MRSA PCR SCREEN	NOSE	ROUTINE	ABREU-RUIZ	10/16/2009 13:46	NONE	UNKNOWN	ORDERED	TAMPA
08/28/2009 10:08	C & S	URINE	ROUTINE	GRAVLIN,K	08/28/2009 10:08	MI 09 5659	08/28/2009 10:09	COMPLETED	ANN AI VAMC
08/21/2009 13:16	HEPATITIS A AB,IgM..	SERUM	ROUTINE	DOCTOR,E	08/21/2009 13:16	BILPC 0821 69	08/25/2009 14:46	COMPLETED	BILOXI
08/20/2009 09:05	CBC WITH AUTOMATED DIFF~	BLOOD	ROUTINE	DR,REF	08/20/2009 09:05	090820 HEM 1990	08/20/2009 09:06	COMPLETE	EISENH AMC+

Ready.

News VistA

Start Sent Items - Mic... RE: CAPRI BHIE ... CAPRI DVBA\*2... Microsoft Power... 10:31 AM

CAPRI Connected To VISTA.MANCHESTER.MED.VA.GOV (Server:R4PD31 Volume:ROU UCI:MAN Port:NLA0::594633466)

File Edit Tools Help

ZZTEST,VADOD ONE SSN#000007312 DOB: 09/20/1939 ICN: 1014270843

C&P Exams 7131 Request Reports Admin Health Summaries Clinical Documents VistA/web DoD Records

**NOTE: DoD data at shared sites is available immediately. All other sites will be available less than a week after discharge.**

**Allergies**

- Expanded ADT
- Consult Report
- Discharge Summary
- Lab Orders
- Chem & Hem
- Surgical Path
- Cytology
- Microbiology
- Radiology Report
- Outpatient RX
- Progress Notes

Facility	Characteristic (Allergy Reactant)	Type
NH CAMP PENDLETON	PENICILLINS	Allergy
NH CAMP PENDLETON	ZOFRAN	Allergy
NH CAMP PENDLETON	BENZODIAZEPINES	Allergy
LANDSTUHL REGIONAL MEDCEN	BENZODIAZEPINES	Allergy
NH CAMP PENDLETON	CEPHALOSPORINS	Allergy
NH CAMP PENDLETON	TETRACYCLINES	Allergy

Graph Labs

Facility: NH CAMP PENDLETON  
Characteristic (Allergy Reactant): PENICILLINS  
Type: Allergy  
Comments:  
Reaction(s): Rash

Start Date: Jan 6 2009 ...  
Stop Date: Jan 6 2010 ...

CAPRI Patient Records  
Screen – DoD patient data is  
available on a separate tab

Ready. News VistA

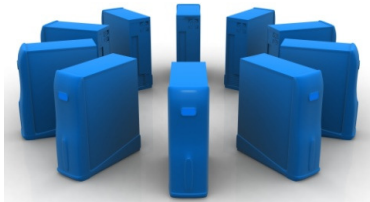
Start | [Icons] | [Inbox - Microsoft Outlook] [Microsoft PowerPoint - [...]] [CAPRI DVBA\*2.7\*123] [8:54 AM]



# Computable Data



- Supports interoperability between DoD's Clinical Data Repository (CDR) and VA's Health Data Repository (HDR)
- Standardized, computable outpatient pharmacy and medication allergy data
- Computable data supports real time drug-drug and drug-allergy checks using data from both DoD and VA
  - For shared patients set as “active dual consumers,” data is seen enterprise-wide



# AHLTA Medication Profile

DoD/VA ADC Status Indicator

Origin	Medication Name	Sig	Refills	Status	OTC	Last Filled Date	Ordering Provider	Order Start Date	Order Expiration Date	Facility/CHCS Host	Or
DoD	LISINPRIL, 20MG, TABLET, ORAL	T1 TAB PO QD #90 RF3	3 of 3	Active		06 Oct 2005	GBTESTER, G	06 Oct 2005	06 Oct 2006	NMC Portsmouth	05
DoD	THIAMINE HCL, 50MG, TABLET, ORAL	TID	2 of 3	Active		23 Sep 2005	DOCTOR, CHEWBACCA	23 Sep 2005	23 Sep 2006	NMC Portsmouth	05
DoD	<b>SPIRONOLACTONE, 25MG, TABLET, ORAL</b>	#30 RF0	NR	Expired		31 Aug 2005	GBTESTER, G	30 Aug 2005	29 Sep 2005	NMC Portsmouth	06
DoD	CIMETIDINE, 200MG, TABLET, ORAL	TID #30 RF1	1 of 1	Active		25 Aug 2005	GBTESTER, G	25 Aug 2005	25 Aug 2006	NMC Portsmouth	06
VA	<b>RETIN-A (TRETINOIN), 0.025%, CREAM(GM)</b>	AAA UD #1 RF1	1 of 1	Expired		Not Recorded	AA2544458	26 Feb 2001	26 Feb 2002	13th & Mission Dom	07
VA	TIASAC (DILTIAZEM HCL), 120MG, CAPSULE SA, OF	TID #30 UD RF1	1 of 1	Active		Not Recorded	GRISCOM, SHARON M	10 Aug 2005	10 Aug 2006	VA Pacific Islands HCS	08
VA	<b>TIASAC (DILTIAZEM HCL), 120MG, CAPSULE</b>	TID #30 UD RF1	1 of 1	Expired		Not Recorded	LRPROVIDER, ONE	10 Aug 2005	07 Sep 2005	13th & Mission Dom	08
Other	BUPROFEN (IBUPROFEN), 100MG/5ML, ORAL SUS		3 of 3	Active		Not Recorded	AA2544458	23 Aug 2005	Not Recorded	Not Available	09
VA	FISH OIL (OMEGA-3 FATTY ACIDS), CAPSULE, ORAL	TID #30 UD RF1	1 of 1	Active		Not Recorded	GRISCOM, SHARON M	31 Aug 2005	30 Aug 2006	VA Pacific Islands HCS	09
Other	IBUPROFEN (IBUPROFEN), 100MG/5ML, ORAL SUS		3 of 3	Active		Not Recorded	AA2544458	08 Sep 2005	Not Recorded	Not Available	10
VA	VITAMIN A (VITAMIN A), 25000 UNIT, CAPSULE, OR,	TID #30 UD RF1	1 of 1	Active		Not Recorded	GRISCOM, SHARON M	31 Aug 2006	30 Aug 2007	VA Pacific Islands HCS	05

**Origin Column Indicates Source of Data (VA, DoD, Other (PDTs))**

**Color Indicates Source (Lt Blue = VA, Yellow=PDTs)**

**Age:** 30yo    **Sex:** F    **LMP:** Not Recorded    **Pregnant:** No

**Facility/CHCS Host Column displays "Not Available" from PDTs**

**Details**

<b>Medication:</b>		<b>NDC:</b>
BUPROFEN (IBUPROFEN), 100MG/5ML, ORAL SUSP, ORAL, ALPHARMA US, 473 ml BOTTLE		00472-1270-16

**Sig:**

**Quantity:** 120.0

**Refills:** 3      **Status:** Active      **Order Number:** 15177971:1148394:2005-09-08:254944

**Refills Remaining:** 3      **Order Start Date:** 08 Sep 2005@2000

**Days of Supply:** 4      **Order Expiration Date:** Not Recorded      **Comment:**

**Origin:** PDTs      **Last Filled Date:** Not Recorded

**Facility/CHCS Host:** Not Available      **Event Date:** Not Recorded

**Dispensing Location:** WALGREEN DRUG STORE #05580

**Ordering Provider:** AA2544458

**Origin, Facility and Dispensing Location Detail**

**Reminders**

- 1 Hour Glucose Tolerance Test (GTT)
- Amblyopia & Vision Screen
- Anemia Screen
- Anti-Tobacco Counseling

VADER, TW: Military Clinical Desktop - Allergy (Privacy Act of 1974/FOUO)

# AHLTA Allergy Profile

DoD/VA ADC Status Indicator

VA DoD

Folder List

- Desktop
  - Alert Review
  - Appointments
  - Telephone Consults
  - Search
  - Patient List
  - Consult Log
  - Co-signs
  - Sign Orders
  - New Results
  - Reports
  - Tools
  - Web Browser
  - CHCS-I
  - Immunizations Admin
- GRISCOM, MISS Q
  - Demographics
  - Health History
    - Problems
    - Meds
    - Allergy
    - Wellness
    - Immunizations
    - Vital Signs Review
    - PKC Couplers
    - Readiness
    - Patient Questionnaires
  - Lab
  - Radiology
  - Clinical Notes
  - Previous Encounters
  - Flowsheets
  - Current Encounter
    - Screening
    - Vital Signs Entry
    - S/O
    - A/P
    - Disposition

Reminders

- 1 Hour Glucose Tolerance Test (GTT)
- Amblyopia & Vision Screen
- Anemia Screen
- Anti-Tobacco Counseling

☐ No known allergies ☐ Verified This Encounter

Allergen	Reaction	Onset Date	Info Source	Entered By	Comments	Origin	Facility/CHCS Host
Cephalosporins	Rash	06 Oct 2005	Patient	GBTESTER, G		DOD	NMC Portsmouth
SODIUM CHLORIDE	Other: SPIN-DIZZIES	15 Jul 2005	Unknown Source of Info	BORST, SCOTT E	Scott's Test 09/02/2005	VA	Albuquerque Army Hospital
SODIUM NITRATE	Other: SPIN-DIZZIES	15 Jul 2005	Unknown Source of Info	BORST, SCOTT E	Scott's Test 09/02/2005	VA	Albuquerque Army Hospital
Sulfa-Drugs	Urticaria	06 Oct 2005	Patient	GBTESTER, G	Two and three equals five.	DOD	NMC Portsmouth

Lt Blue Color Indicates Source is VA

Origin Column Indicates Source of Data (DoD or VA)

Allergen: Cephalosporins Origin: DOD

Onset Date: 06 Oct 2005 Entered By: GBTESTER, G

Reactions: Rash

Info Source: Patient Facility/CHCS Host: NMC Portsmouth

Comments:

start

Inbox - Microsoft Out... CHDR II - Assigned t... wtopnews.com - Mic... VADER, TW: Military ... Microsoft PowerPoint ...

Shortcuts 11:20 AM



# VistA/CPRS Medication Alert

VistA CPRS in use by: [redacted]

File Edit View Action

Pt Inst Flag Remote Data Available No Postings

Action	Outpatient Medications	Expires	Status	Last Filled	Refills Rem...
	*SIMVASTATIN 40MG TAB Sig: TAKE 1/2 TABLET B *TO LOWER CHOLESTE JUICE*USE TABLET CUT				
	*LISINAPRIL 40MG TAB Q Sig: TAKE ONE-HALF TA BLOOD PRESSURE*USE				
	*LORAZEPAM 1MG TAB Q Sig: TAKE THREE TABLE				

**Medication Order**

ERYTHROMYCIN TAB,EC Change

Dosage	Complex	Route	Schedule	PRN
250MG		ORAL	Q24H	<input type="checkbox"/>
250MG	0.0364	ORAL	Q24H	<input type="checkbox"/>
500MG	0.0728		Q28D Q2H Q30D	<input type="checkbox"/>

**Order Checking**

Comments: CRITICAL drug-drug interaction: ERYTHROMYCIN & SIMVASTATIN (SIMVASTATIN TAB 40MG TAKE 1/2 TABLET BY MOUTH EVERY EVENING FOR 90 DAYS \*TO LOWER CHOLESTEROL\*AVOID GRAPEFRUIT AND ITS JUICE\*USE TABLET CUTTER change from 20 40 mg. [ACTIVE])

CRITICAL drug-drug interaction: ERYTHROMYCIN & SIMVASTATIN (SIMVASTATIN 20MG TAB TAKE ONE TABLET BY MOUTH EVERYDAY IN THE EVENING TO LOWER CHOLESTEROL # 90 RF3[ACTIVE] >> NH Great Lakes IL)

Days Supply: 90 Qty (TAB): 90

Patient Instruction: ☒ UNTIL ALL ARE TAKEN

Priority: ROUTINE

Accept Order Cancel Order

\*\*\*MAXIMUM OF 30 DAYS/FILL\*\*\*DO NOT CRUSH\*\*

ERYTHROMYCIN TAB,EC 250MG  
TAKE ONE TABLET BY MOUTH EVERY 24 HOURS UNTIL ALL ARE TAKEN  
Quantity: 90 Refills: 0 Accept Order Quit

# Polytrauma Patients



Digital radiology images and scanned medical records for severely wounded warriors sent from DoD to VA when the decision is made to transfer the patient (inpatient to inpatient)



*Data push at time of referral*



- Walter Reed Army Medical Center
- National Naval Medical Center
- Brooke Army Medical Center



From 2007 to present:

- Images for more than 210 patients
- Scanned records for more than 290 patients

- Tampa Polytrauma Center
- Palo Alto Polytrauma Center
- Minneapolis Polytrauma Center
- Richmond Polytrauma Center

# Image Sharing – Current Capability



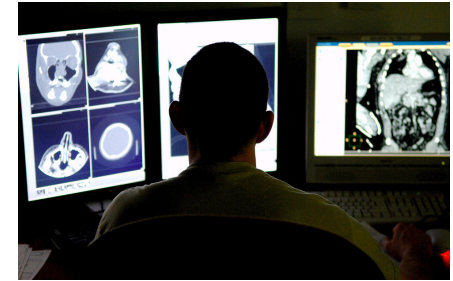
- El Paso imaging demonstration project
  - Radiology images shared between a limited number of DoD and VA facilities and users in a specified geographic region
  - Lessons learned and technology components will be leveraged for enterprise wide image sharing



# Image Sharing – Future Capability



- DoD Health Artifact and Image Management Solution (HAIMS)
  - Web-based solution
  - Key capabilities: Import, view, manage, edit, register, store
  - Successfully demonstrated initial capability to share scanned artifacts with VA, in a test environment, in September 2009
  - DoD Limited User Testing began December 2009 at the first site



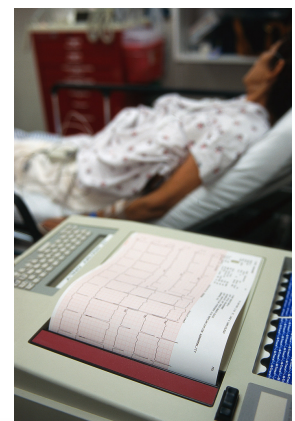


# Image Sharing – Future Capability

(continued)



- DoD Health Artifact and Image Management Solution (HAIMS) (continued)
  - Global awareness of and global access to artifacts and images, including:
    - Scanned documents
    - Digital radiographs (X-rays, CTs, MRIs, mammography, and sonograms)
    - Clinical photographs (endoscopy, laparoscopy, retinal scans, and anatomic pathology)
    - Video
    - Cardiographic EKGs and echocardiographs





# NDAA FY 2008, Section 1635



- Required DoD and VA to “develop and implement electronic health record (EHR) systems or capabilities that allow for full interoperability of personal health care information by September 30, 2009”
- DoD/VA Interagency Clinical Informatics Board identified high-level interoperability objectives
  - Expand DoD Essentris (inpatient documentation system) sites
  - Demonstrate the operation of Partnership Gateways



# NDAA FY 2008, Section 1635 (continued)



- Share DoD social history data with VA
- Demonstrate initial capability for DoD to scan medical documents and share with VA
- Share DoD periodic health assessment data with VA
- Share DoD separation physical exam information with VA



# What's Next?



- Expand inpatient documentation sharing
  - Continue DoD Essentris deployments in FY 2010
  - Increasing access to DoD inpatient documentation to 90% of total DoD inpatient beds by September 2011
- Complete data migration of data traffic to the new multipurpose gateways in FY 2010



# What's Next? (continued)



- Continue to expand the document scanning and image sharing capability
  - DoD HAIMS deployment to additional Limited User Testing sites in the first quarter FY 2010
  - DoD and VA will develop a schedule for completing implementation of this capability
- Improve usability and other enhancements as defined by functional users
- ICIB priorities for FY 2010 and beyond

# Why Change?



- DoD and VA currently share significant and unprecedented amounts of health data
- More than half of DoD and VA healthcare comes from private sector providers
- DoD and VA need access to private sector health documentation to create a true lifetime electronic healthcare record



# A Week in the MHS



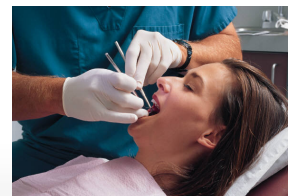
- **21,800 Inpatient Admissions**
  - 5,000 direct care
  - 16,800 purchased care
- **1.6 Million Outpatient Visits**
  - 737,000 direct care
  - 876,400 purchased care
- **103,000 Dental Visits**
  - Direct care only
- **3.5 Million Claims Processed**
- **2.48 Million Prescriptions**
  - 914,000 direct care
  - 1.37 million retail pharmacies
  - 200,000 mail order
- **2,380 Births**
  - 1,010 direct care
  - 1,370 purchased care



# Average Monthly Purchased Care in VA



- In FY 2009, VA processed a total of 1,745,503 purchased line items for non-VA medical care with the following monthly averages:
  - 234 unique patients for pharmacy
  - 11,051 unique patients for inpatient admissions
  - 72,659 unique patients for outpatient visits
  - 3,885 unique patients for dental visits
  - 213 unique patients for child birth delivery



# Future State



On April 9, 2009, President Obama directed DoD and VA to create a Virtual Lifetime Electronic Record (VLER) that *“will ultimately contain administrative and medical information from the day an individual enters military service throughout their military career and after they leave the military.”*



***Please attend Session #T27 for detail on the VLER Initiative***

# Transition to Future State



## Current

### DoD-VA Health Information Exchange

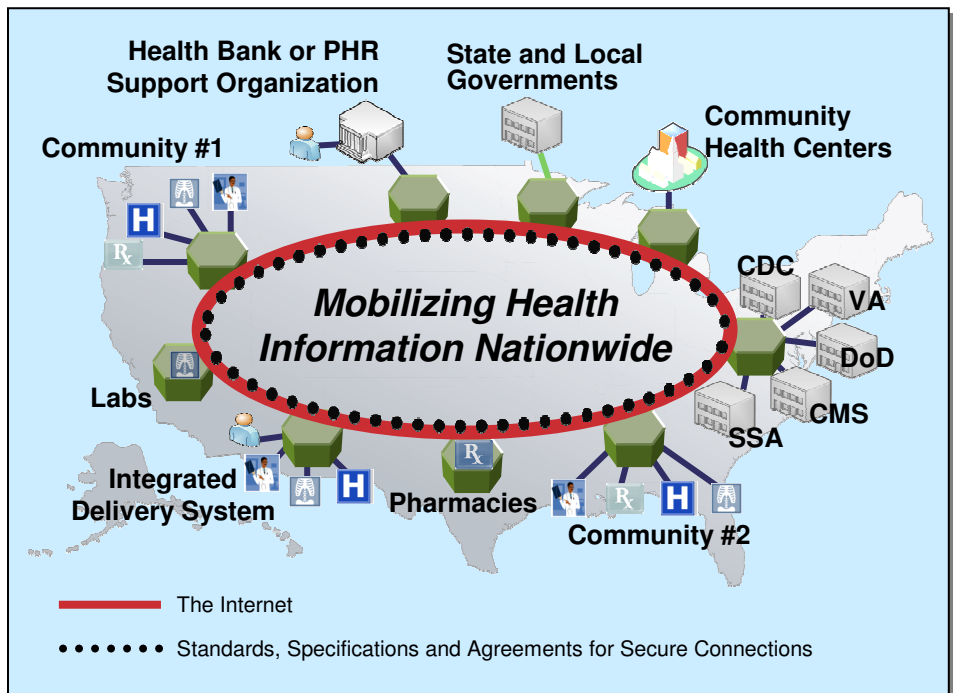
Historical data from 1989 forward, live data flow as of 2002, bidirectional data flow as of 2004, including ALL DoD and VA medical facilities as of July 2007



- Health data on more than 4.9 million Service members
- 3.4 million correlated patients
- Computable pharmacy and allergy exchange on more than 42,000 patients
- 75.1 million lab results
- 12.2 million radiology reports
- 77.4 million pharmacy records
- 84.7 million standard ambulatory data records
- 3.4 million consultation reports
- 2.5 million deployment-related health assessments on more than 1.0 million individuals

## Planned (Phase 1)

### Nationwide Health Information Network



# Questions?



## Points of Contact

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